

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm Traffic Control Signal with street lighting at the intersection of MD 543 and I-95 Southbound Off Ramp in Harford County. An Exclusive left turn phase shall be added for the northbound MD 543 approach of this intersection. MD 543 is assumed to run a north-south direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA four-phase, fully-actuated mode, with the MD 543 approaches running concurrently. The existing Exclusive / Permissive left turn phase for the northbound approach of MD 543 shall now be an Exclusive left turn phase. The I-95 Southbound Off Ramp approach shall continue to run in its own phase.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #4 are as follows:

Ms. Erin Kuhn
Assistant District Engineer - Traffic
Phone: (410) 321-2781

Mr. Andre Futrell
Assistant District Engineer - Maintenance
Phone: (410) 321-2761

Mr. Mike Pasqualello
Assistant District Engineer - Utility
Phone: (410) 321-2841

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Chief, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Chief Sign Shop
410-787-7676

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

9571	Sheet aluminum signs to consist of: (mast arm mount) R10-5 "LEFT ON GREEN ARROW ONLY" sign (24"x18")	3	SF
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B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1003	Maintenance of traffic per assignment.	1 EA
8021	Remove and dispose of existing material & equipment per assignment.	1 EA
8038	Install overhead mounted sign	3 SF
8050	12" LED signal head section.	9 EA
8056	Electrical cable - 5 conductor (No. 14 AWG).	265 L.F.

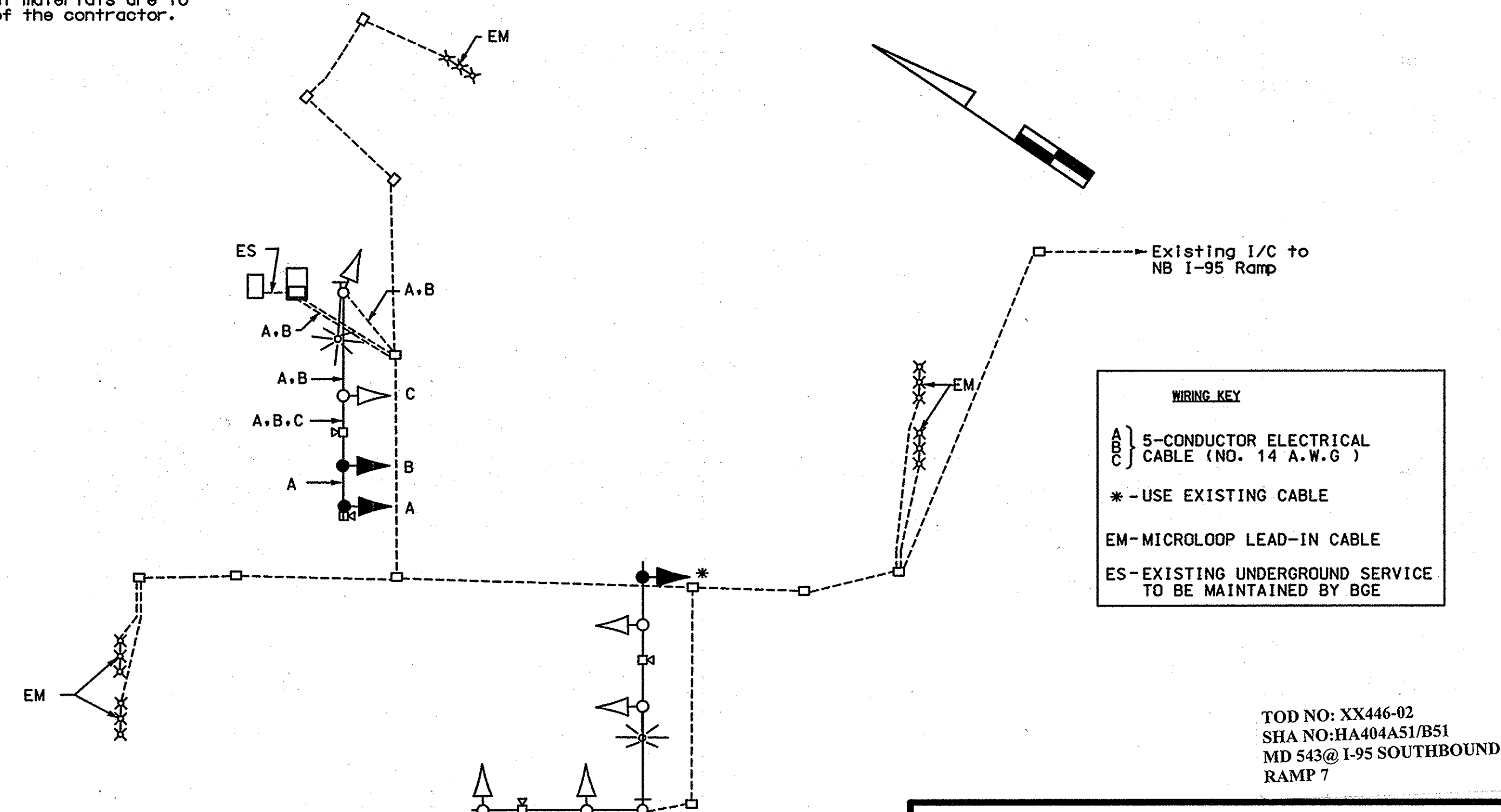
PHASE CHART

	1	2	3	4	5	6	7	8	9
PHASE 2 & 5	←G-	←G-	G	G	R	R	R	R	R
2 & 5 CHANGE	←Y-	←Y-	G	G	R	R	R	R	R
PHASE 2 & 6	←R-	←R-	G	G	G	G	R	R	R
2 & 6 CHANGE	←R-	←R-	Y	Y	Y	Y	R	R	R
PHASE 4	←R-	←R-	R	R	R	R	G	G	G
4 CHANGE	←R-	←R-	R	R	R	R	Y	Y	Y
FLASHING OPERATION	FL/←R	FL/←R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R

C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.

WIRING DIAGRAM



TOD NO: XX446-02
SHA NO: HA404A51/B51
MD 543@ I-95 SOUTHBOUND RAMP 7

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 543 (RIVERSIDE PKWY)
AND I-95 S/B RAMP (RAMP 7)

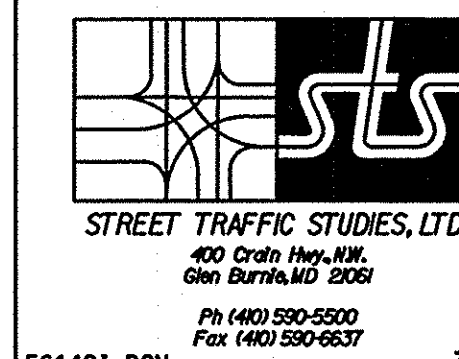
CHURCHVILLE, MARYLAND

GENERAL INFORMATION SHEET

SCALE NONE DATE 8/6/08 CONTRACT NO. XX4465185

DESIGNED BY JWA COUNTY HARFORD
DRAWN BY R.C. LOGMILE 12054301.84
CHECKED BY TIMS NO. J064
F.A.P. NO. TOD NO.

TS NO. 4129B DRAWING NO. 2 OF 2 SHEET NO. OF



561461.DGN T-198

PLOTTED: 8/24/2008
FILE: 8/24/2008